

Title (en)  
HIGH INTEGRITY COMPOSITE BAGS ADAPTED FOR STEAM STERILIZATION

Title (de)  
VERBUNDBEUTEL VON HOHER STABILITÄT ZUR DAMPFSTERILISIERUNG

Title (fr)  
SACHETS COMPOSITES DE HAUTE TENUE ADAPTÉS À LA STÉRILISATION À LA VAPEUR

Publication  
**EP 2079641 A2 20090722 (EN)**

Application  
**EP 07853611 A 20070924**

Priority  
• US 2007079316 W 20070924  
• US 82681006 P 20060925

Abstract (en)  
[origin: WO2008039724A2] A sterilizable composite bag or pouch at a temperature of at least about 125° C includes a first sheet comprising a gas-permeable but bacteria-impermeable polyolefin material, a second sheet comprising a first layer comprising a polyolefin with a density of less than 0.94 g/cm<sup>3</sup> disposed between a second layer and a third layer comprising a high density polyolefin and having a density of at least 0.94 g/cm<sup>3</sup>, with the first sheet and the second sheet being locally thermally welded to one another to form a bag or pouch defining a cavity suitable for holding an article. A method includes thermally bonding such layers to form a plurality of bags and subjecting the plurality of bags to an autoclave steam sterilization process, wherein each second sheet thereafter remains pinhole-free and substantially impermeable to bacteria.

IPC 8 full level  
**A61L 2/07** (2006.01); **A61L 2/20** (2006.01); **A61L 2/26** (2006.01); **B65D 30/00** (2006.01); **B65D 30/08** (2006.01)

CPC (source: EP US)  
**A61L 2/07** (2013.01 - EP US); **A61L 2/26** (2013.01 - EP US); **B32B 27/32** (2013.01 - EP US); **B32B 27/322** (2013.01 - EP US); **B65D 31/02** (2013.01 - EP US); **A61L 2202/181** (2013.01 - EP US); **A61L 2202/24** (2013.01 - EP US); **Y10T 428/1334** (2015.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2008039724 A2 20080403**; **WO 2008039724 A3 20080626**; CN 101516738 A 20090826; CN 101516738 B 20121017;  
EP 2079641 A2 20090722; EP 2079641 A4 20091209; TW 200822939 A 20080601; TW I465264 B 20141221; US 2010028575 A1 20100204

DOCDB simple family (application)  
**US 2007079316 W 20070924**; CN 200780035558 A 20070924; EP 07853611 A 20070924; TW 96135767 A 20070926; US 44171707 A 20070924